

1999 Human Factors Information System Report for Plant Docket 336

Combined IR/ER/LER Report
Docket: 50-336 MILLSTONE 2

Total Number of Hits in Date Range: 159
From 01/01/1999 to 12/31/1999
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 4			
Percent of total: 2.52			
54-No communication	O-Operations	O-Control Room Ops	50-336/1999004
	O-Operations		
54-No communication	O-Operations	O-Control Room Ops	50-336/1999004
	O-Operations		
54-No communication	O-Operations	O-Control Room Ops	50-336/1999004
	O-Operations		
52-Communication un	M-Mechanical	M-Maint / Repair	50-336/1999004
	M-Mechanical		

Communications ER
Number of items: 0
Percent of total: 0

Communications LER
Number of items: 0
Percent of total: 0

Human-System Interface and Environm IR			
Number of items: 2			
Percent of total: 1.26			
75-Work area LTA	F-Fuel Handling	R-Refueling	50-336/1998006
72-Lighting LTA	Z-Other	Z-Other	50-336/1998006

Human-System Interface and Environm ER
Number of items: 0
Percent of total: 0

Human-System Interface and Environm LER			
Number of items: 4			
Percent of total: 2.52			
62-Information orga	O-Operations	S-Surveillance	50-336/199900100
65-Information Cont	W-Work Control / Sc	T-Testing	50-336/199901000
67-Function LTA (ac	O-Operations	O-Control Room Ops	50-336/199901100
65-Information Cont	O-Operations	O-Control Room Ops	50-336/199901100

Management and Supervision IR			
Number of items: 28			
Percent of total: 17.61			
32-Supervision / co	O-Operations	Z-Other	50-336/1998005
33-Management expec	O-Operations	Z-Other	50-336/1998005
32-Supervision / co	G-Engineering	P-Procedure Dev	50-336/1998005
47-Root Cause LTA	G-Engineering	Z-Other	50-336/1998005
40-Individual Corre	G-Engineering	Z-Other	50-336/1999001
47-Root Cause LTA	G-Engineering	Z-Other	50-336/1999001
40-Individual Corre	G-Engineering	Z-Other	50-336/1999001
41-Action not begun	G-Engineering	Z-Other	50-336/1999001
40-Individual Corre	G-Engineering	Z-Other	50-336/1999001
40-Individual Corre	G-Engineering	Z-Other	50-336/1999001

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Management and Supervision IR			
Number of items: 28			
Percent of Total: 17.61			
44-Corrective Actio	G-Engineering	F-Modification	50-336/1999001
32-Supervision / co	G-Engineering	F-Modification	50-336/1999001

47-Root Cause LTA	O-Operations	Z-Other	50-336/1999001
41-Action not begun	O-Operations	Z-Other	50-336/1999001
48-Audits or proble	O-Operations	Z-Other	50-336/1999001
48-Audits or proble	D-Emergency Plannin	Z-Other	50-336/1999001
48-Audits or proble	Q-QA/QC	Z-Other	50-336/1999001
32-Supervision / co	O-Operations	M-Maint / Repair	50-336/1999002
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-336/1999002
32-Supervision / co	O-Operations	O-Control Room Ops	50-336/1999002
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-336/1999002
32-Supervision / co	O-Operations	S-Surveillance	50-336/1999002
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-336/1999004
40-Individual Corre	G-Engineering	Z-Other	50-336/1999004
40-Individual Corre	O-Operations	A-Administrative	50-336/1999009
44-Corrective Actio	O-Operations	Z-Other	50-336/1999009
40-Individual Corre	O-Operations	O-Control Room Ops	50-336/1999009
41-Action not begun	H-Health Physics	H-Health Physics	50-336/1999009

Management and Supervision ER

Number of items: 0
Percent of total: 0

Management and Supervision LER

Number of items: 1
Percent of total: .63

33-Management expec	O-Operations	O-Control Room Ops	50-336/199901100
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Organizational Issues IR

Number of items: 5
Percent of total: 3.14

21-Staffing LTA	O-Operations	Z-Other	50-336/1998005
21-Staffing LTA	G-Engineering	Q-Fire Protection	50-336/1999003
27-Excessive hours	G-Engineering	G-Design	50-336/1999004
27-Excessive hours	O-Operations	Q-Fire Protection	50-336/1999004
27-Excessive hours	M-Mechanical	M-Maint / Repair	50-336/1999004

Organizational Issues ER

Number of items: 0
Percent of total: 0

Organizational Issues LER

Number of items: 0
Percent of total: 0

Procedures and Reference Document IR

Number of items: 35
Percent of total: 22.01

13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-336/1998005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-336/1998005

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Procedures and Reference Document IR

Number of items: 35
Percent of Total: 22.01

13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-336/1998005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-336/1998005
12-Procedure techni	G-Engineering	G-Design	50-336/1998005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-336/1998006
13-Procedure has hu	B-Plant Management	Z-Other	50-336/1999001
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999002
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-336/1999002
12-Procedure techni	G-Engineering	G-Design	50-336/1999002
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999003
11-No procedure / r	G-Engineering	Q-Fire Protection	50-336/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999003
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-336/1999004
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999004
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-336/1999004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-336/1999004
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-336/1999004

Human Factors Information System Report

13-Procedure	has hu	P-Procedure Writers	P-Procedure Dev	50-336/1999004
13-Procedure	has hu	P-Procedure Writers	P-Procedure Dev	50-336/1999004
13-Procedure	has hu	P-Procedure Writers	P-Procedure Dev	50-336/1999004
13-Procedure	has hu	P-Procedure Writers	P-Procedure Dev	50-336/1999004
12-Procedure	techni	G-Engineering	G-Design	50-336/1999004
12-Procedure	techni	G-Engineering	G-Design	50-336/1999004
12-Procedure	techni	G-Engineering	G-Design	50-336/1999004
12-Procedure	techni	G-Engineering	G-Design	50-336/1999004
13-Procedure	has hu	P-Procedure Writers	P-Procedure Dev	50-336/1999009
12-Procedure	techni	P-Procedure Writers	P-Procedure Dev	50-336/1999009
12-Procedure	techni	G-Engineering	G-Design	50-336/1999009
13-Procedure	has hu	H-Health Physics	H-Health Physics	50-336/1999009
13-Procedure	has hu	H-Health Physics	H-Health Physics	50-336/1999009

Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

Procedures and Reference Document LER

Number of items: 6

Percent of total: 3.77

12-Procedure	techni	B-Plant Management	P-Procedure Dev	50-336/199900200
12-Procedure	techni	O-Operations	S-Surveillance	50-336/199900700
12-Procedure	techni	O-Operations	O-Control Room Ops	50-336/199900900
12-Procedure	techni	M-Mechanical	M-Maint / Repair	50-336/199900900
12-Procedure	techni	O-Operations	O-Control Room Ops	50-336/199901100
12-Procedure	techni	O-Operations	O-Control Room Ops	50-336/199901500

Training IR

Number of items: 3

Percent of total: 1.89

05-Individual knowl O-Operations S-Surveillance 50-336/1999004

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Training IR

Number of items: 3

Percent of Total: 1.89

05-Individual knowl I-Instrumentation & S-Surveillance 50-336/1999004

05-Individual knowl I-Instrumentation & S-Surveillance 50-336/1999004

Training ER

Number of items: 0

Percent of total: 0

Training LER

Number of items: 2

Percent of total: 1.26

01-No Training W-Work Control / Sc T-Testing 50-336/199901000

02-Training LTA O-Operations O-Control Room Ops 50-336/199901100

Work Factors IR

Number of items: 62

Percent of total: 38.99

83-Work practice	or	T-Training	Z-Other	50-336/1998005
93-Awareness	or att	T-Training	Z-Other	50-336/1998005
82-Briefing, prep.		O-Operations	Z-Other	50-336/1998005
82-Briefing, prep.		O-Operations	Z-Other	50-336/1998005
93-Awareness	or att	T-Training	Z-Other	50-336/1998005
83-Work practice	or	T-Training	Z-Other	50-336/1998005
83-Work practice	or	T-Training	Z-Other	50-336/1998005
83-Work practice	or	F-Fuel Handling	R-Refueling	50-336/1998006
84-Non-conserv. dec		F-Fuel Handling	R-Refueling	50-336/1998006
84-Non-conserv. dec		O-Operations	B-Bal of Plant Ops	50-336/1998006
89-Housekeeping LTA		Z-Other	A-Administrative	50-336/1998006
83-Work practice	or	Z-Other	A-Administrative	50-336/1998006
83-Work practice	or	Z-Other	A-Administrative	50-336/1998006
83-Work practice	or	Z-Other	A-Administrative	50-336/1998006
93-Awareness	or att	Z-Other	A-Administrative	50-336/1998006
93-Awareness	or att	Z-Other	A-Administrative	50-336/1998006
93-Awareness	or att	Z-Other	A-Administrative	50-336/1998006
93-Awareness	or att	G-Engineering	A-Administrative	50-336/1999001
93-Awareness	or att	G-Engineering	A-Administrative	50-336/1999001
83-Work practice	or	G-Engineering	Z-Other	50-336/1999001

93-Awareness or att	O-Operations	Z-Other	50-336/1999001
81-Work Package Qua	G-Engineering	F-Modification	50-336/1999001
81-Work Package Qua	G-Engineering	F-Modification	50-336/1999001
83-Work practice or	G-Engineering	G-Design	50-336/1999001
93-Awareness or att	O-Operations	T-Testing	50-336/1999002
88-Tag outs LTA	O-Operations	T-Testing	50-336/1999002
84-Non-conserv. dec	W-Work Control / Sc	T-Testing	50-336/1999002
84-Non-conserv. dec	O-Operations	T-Testing	50-336/1999002
91-Verification / p	O-Operations	O-Control Room Ops	50-336/1999002
93-Awareness or att	O-Operations	O-Control Room Ops	50-336/1999002
93-Awareness or att	O-Operations	O-Control Room Ops	50-336/1999002
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-336/1999002
82-Briefing, prep.	O-Operations	B-Bal of Plant Ops	50-336/1999002
83-Work practice or	P-Procedure Writers	P-Procedure Dev	50-336/1999002

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Work Factors IR

Number of items: 62

Percent of Total: 38.99

93-Awareness or att	O-Operations	O-Control Room Ops	50-336/1999002
93-Awareness or att	O-Operations	O-Control Room Ops	50-336/1999002
82-Briefing, prep.	O-Operations	B-Bal of Plant Ops	50-336/1999002
91-Verification / p	O-Operations	S-Surveillance	50-336/1999002
93-Awareness or att	O-Operations	S-Surveillance	50-336/1999002
93-Awareness or att	O-Operations	S-Surveillance	50-336/1999002
81-Work Package Qua	G-Engineering	Q-Fire Protection	50-336/1999003
81-Work Package Qua	G-Engineering	Q-Fire Protection	50-336/1999003
93-Awareness or att	O-Operations	A-Administrative	50-336/1999004
93-Awareness or att	O-Operations	A-Administrative	50-336/1999004
93-Awareness or att	O-Operations	A-Administrative	50-336/1999004
93-Awareness or att	O-Operations	A-Administrative	50-336/1999004
82-Briefing, prep.	O-Operations	S-Surveillance	50-336/1999004
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-336/1999004
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-336/1999004
86-Work untimely	O-Operations	O-Control Room Ops	50-336/1999004
93-Awareness or att	Q-QA/QC	O-Control Room Ops	50-336/1999004
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-336/1999004
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-336/1999004
84-Non-conserv. dec	G-Engineering	G-Design	50-336/1999004
84-Non-conserv. dec	G-Engineering	G-Design	50-336/1999005
84-Non-conserv. dec	G-Engineering	G-Design	50-336/1999005
85-Team interaction	O-Operations	O-Control Room Ops	50-336/1999009
84-Non-conserv. dec	Z-Other	Z-Other	50-336/1999009
93-Awareness or att	G-Engineering	G-Design	50-336/1999009
93-Awareness or att	G-Engineering	G-Design	50-336/1999009
93-Awareness or att	G-Engineering	G-Design	50-336/1999009
93-Awareness or att	G-Engineering	G-Design	50-336/1999009

Work Factors ER

Number of items: 0

Percent of total: 0

Work Factors LER

Number of items: 7

Percent of total: 4.4

83-Work practice or	C-Chemistry	B-Bal of Plant Ops	50-336/199900400
93-Awareness or att	O-Operations	S-Surveillance	50-336/199900700
81-Work Package Qua	M-Mechanical	T-Testing	50-336/199901000
91-Verification / p	O-Operations	Q-Fire Protection	50-336/199901300
91-Verification / p	Z-Other	Z-Other	50-336/199901300
91-Verification / p	O-Operations	T-Testing	50-336/199901400
92-Self check LTA	O-Operations	S-Surveillance	50-245/199900100

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[End of File for Plant Docket 336 (1999)]